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MINES, MINING, COPPER STOCKS AND COPPER

High Tide Prosperity in the Affairs of The Warren District--Great Work Being Done, With Splendid Future Outlook

MORE MEN NOW EMPLOYED THAN EVER BEFORE, WITH ACTIVITIES UNDERGROUND AND ON TOP CONSTANTLY INCREASING - CONCENTRATOR CONSTRUCTION UNDERWAY - WITH SMELTER BETTERMENTS, MEANS MAKING AVAILABLE OF EVERY CHARACTER OF ORE — INSTALLATION OF BIG ELECTRIC HOISTS AND STEEL GALLOWS FRAMES AT C. Q. SHAFTS TELL STORY

March is nearing its close with another fine record of output of ore from everybody else. The camp of today for which they are responsible has ac the mines of the Warren district. Copper Queen has kept up its tonnage complished more for the development of Arizona than all other agencies to the daily average of recent months in the past, while its development combined, in bringing transportation servide, general investment, popudivision and surface departments have carried some extra pressure. Callation and prosperity. Today Bisbee is without question the home of the umet & Arizona has maintained the largely increased production which was most generally prosperous mining community anywhere in America. Its moor than usual activity in development. Wolverine and the other small satisfied with conditions, enjoy more comforts of life and a happier climate operators are probably a little ahead of the February daily record.

LARGEST ACTIVITY EVER ENJOYED

The activity now prevailing is the largest in the history of the district, mining community on the continent. Butte is no exception to this Pay rolls are at the record figure. There are more men at work than ever before, and more people in the district. The mines never looked so well efficiency. Equipment of properties is at the top notch in quality and extent. And there is every reason for the belief that the steady gain attending general operations and resources of the district will continue indefinitely along the present smooth path, with resultant benefit of material character for each and every individual associated with the district, no matter his line of endeavor.

ALL CHARACTERS OF ORE RELEASED

The construction of the new Calumet & Arizona smelter has been a greater boon to the district than perhaps most people have realized. It has properties of this company and has made other holdings look desirable to it which might not have had near so good appearance, from the standpoint of usefulness a little while back. Possibly the Bisbee-Calumet and Higgins Queen 's making preparations to add to its smelter equipment to advantageous end in point of handling a wider range of ores to profit as well as attaining better results from some characters of ore they are now working. WILL ADD McDOUGAL FURNACES

is a cleaner grade of matte and greater elasticity in the plant. Treatment of sulphides to better advantage will in particular be faciliated. While the additional furnaces will make it possible to do bigger things in output under

ELECTRIC INSTALLATION INCREASES

new installations are being made, one at the Czar and the other at the soon. It has the tone of a moving enterprise of a very decided value, and Uncle Sam. At these two big shafts electric hoists are being installed. At it will make good up to best expectations along this line. the Czar the erection of a new steel gallows frame, one of the largest in the district, is being made to go with the new electric installation. At the Uncle Sam there will also be a steel gallows frame put up.

IMPORTANT INSTALLATIONS

story of the activities that are being carried on at steadily increasing rate. rections about the district that inauguration of a new piece of work now The new hoists will have considerably greater capacity than the once and then fails to attract more than passing comment. As this work goes on they replace. The larger capacity is made requisite by the bigger work from day to day toward completion, the eye becomes accustomed and the that is being done and that is mapped out for the future. Both the Czar observer is unimpressed. and the Uncle Sam have developed a lot of new territory in the last year and have a great deal more ahead of them. The Czar will take on much enlarged responsibilities and labors with the further development and the on in Bisbee canyon. It has been underway more than a year and thousands ductive of some very good things in recent months in new territory of much months there will be a large level area added to the mine and railroad yard

THE WAY OF THE DISTRICT

in this respect in the past could at any one of a dozen stages of the devel- will be much more convenient and also provide a great deal more safety den awakening conveys other impressions. definite period, if not forever. Money, intelligence and nerve are respon- which there will be room made for much needed railroad trackage and for sible for the prosperity the district now enjoys and the vast amount of the erection perhaps of needed buildings, before the job is done. labor its mines afford. Mining men never look at the district's surface possessed and without which they would never have got by.

started in December. Shattuck has been holding its average in output, with miners are receiving better wages, month in and month out, are better and have more to look forward to in point of further development of large prosperity and long life of employment, than have the people of any other

CONCENTRATOR CONSTRUCTION

Work now going on at the site of the test mill being put up to deterand on top are moving with entire smoothness and the attainment of high is to be erected, affords an excellent bit of backing for the remarks in the been no announcement of intention to erect a concentrator

INCREASED LABOR AND PRODUCTION

but is not the feature now contemplated as most desirable. The smelter in the construction department. The excavations have all about been is keeping a very fairly even monthly rate of output and one that is satisfactory in quantity. Some fluctuation from month to month is mainly by and they will be using these very soon. The grade for the railroad track reason of variation in kinds of ore delivered. The new furnaces will make it is nearing completion from the shaft. Down below they have put in timbers for the carriage of supplies up from the main line of the railroad. In a little while there will be superstructure going on the foundations and machinery That electric power is proving very satisfactory in its results in Copper equipment being set in position on the foundations made for its reception. Queen mines operating division is best indicated by the steady expansion Some of the equipment is beginning to arrive. A considerable number of which is being made in its use. At the immediate time two very important men are employed on this work and there will be a good many more pretty

The vast amount of surface work which the Copper Queen is carrying on is little appreciated in the district, for the reason that the public does The installation of this new equipment at these sharts tells its own time and, furthermore, is so accustomed to continued activities in all di-

MOVING THOUSANDS OF TONS

No one has made particular note in a long time of the big work going rocky canyon and waterway depressions.

MAKING SOME BIG FILLS

opment game, readily enough have put the camp in the discard for an in- for traffic than the wooden structure with which it will do away. Beside

ECONOMY OF SPACE AS WELL AS OTHER THINGS

with Czar waste will mean lesser cost of maintenance of property of the ing confidence and interest in. It might be the key to a large area. Also Not only did they make good for themselves, but they also made good for company in Bisbee guich. It will mean the attaining, also of room in con-

RARE VOLUMES TO U. S. MILLIONAIRE



Henry E. Huntington. The Duke of Devonshire is reported to have soid his library of rare volumes to Henry E. Haatington, the American multi-millionaire, for a sum exceeding \$1,000,000. The Chatsworth library, consisting of the Caxtons and the Kemble collection. tion of plays, are part of the collec-





Jules Goux (top) and Jean Chassagne.

Two Frenchmen, Jules Goux and Jean Chassagne, will battle for first place in the motor speedway races at Indianapolis on Decoration day. Goux was the winner of the last 500-mile rage at Indianapolis. Chassagne is holder of the world's hour record

overlook the small items in conducting copper operations. It is more true

OLD SLAG DUMP FILL

Reverting to the improvement work in Bisbee canyon, the old slag day to the visits of all miners and all dump is rapidly disappearing. In its wake is a great hole extending from are urged to take advantage of the op-50 to 75 feet below the surface. On the lower end of the dump, filling was portunity. There will be lectures and caried out to considerable extent the latter part of last year and it is pre- instruction work given classes on the sumed that later along when all of the slag has been removed, the hole car daily. Each evening there will be left behind will be filled in. Then there will be a considerable amount of lectures given at the Y. M. C. A. gymroom made available for additional railroad yard facilities. Meantime the nastum hall. These lectures are free new piece of Naco road along the slag dump is about ready to be made and open to all, and it is the belief use of. The excavation of the dump has caused the present road to settle that each night will see the hall packed quite a little and the street railway company has found occasion to raise with men eager to learn new things. its track a couple of times. Trausfer over to the new road will relieve The lectures will be attended by illusthis trouble. Also it will make way for other operations in the mining trations. divison for which the present improvement in removal of the dump will make way. The dump is being sampled as it is moved, if there are values worth while they are determined and the blast furnaces get them. The bal- Some Authorities Believe That Low ance goes direct to the ballast trains of the El Paso & Southwestern, which | Prices for 1914 Are Now Being has established that copper slag makes the finest roadbed obtainable.

THE WOLVERINE ACTIVITY

While Wolverine is entitled to advance that has been made in the price months domestic deliveries have avermining of the near the surface ore bodies, while its lower levels are nar- of tons of waste have been dumped from the Czar workings into the guich. of its shares, looking only to the merit of the property, there has been a aged but 41,000,000 pounds per month would certainly seem to answer the rowing none in the burdens they impose. The Uncle Sam has been pro- Gradually they are filling up the old time landmarks and in a matter of quiet determination about the upward movement that has given rise to question, says the Thompson, Towled speculation as to whether or not Calumet & Arizona may not have its eyes & Co. News Letter, continuing: richness and extent and it too has a great deal more work looking ahead room, where a year ago there was only unavailable waste space in the on this property with view of absorption. Wolverine has stepped from 40 cents in the last several weeks up to the better than \$1.25 bid. Very few the question of business in this counshares of any kind have been doing other than registering declines during try, and when it is going to become Such is the way of the district. It keeps adding all the time to old The bridge over the gulch to the Czar from the town, which has been the same period. To a man up a tree it would seem that there needs be normal from the present sub-normal riches with new ground. It costs money to cut up the country and go after trod in past years by hundreds of thousands of men on their way to and something more urgent behind the demand for the stock in the east than This return cannot be very far off, the new things, to a certainty, but in the Warren district this policy has from shifts, will soon be only a memory. It is due to give place to the filled mere improved appearance of its ground and increase in its shipments. If and with the turn copper is bound to never failed to pay. It takes both money and nerve to do it, but without ground which has gradually been creeping out alongside and above it in not, then the market has had its eyes shut a remarkably long time to and improve in price, for during our presthese essentials there would be no mines here. Faint hearted line of policy the last year. This fill will make a wide wagon, truck and foot road which with almost unbelieveable persistence to the worth of Wolverine. The sud-

PURCHASES OF ADJACENT PROPERTIES

The very decided interest that C. & A. has made manifest in the last few months in territory on the southwest side of Wolverine property, will soon be getting ready to furnish Incidentally there is carried in this work an illustration of the fact that through the Calumet & Bisbee and the Higgins purchases, lends color to the St. Paul R. R. with copper. The in the development of the camp required the strong backbones which they the successful conduct of a hig copper property in the present day calls the growing belief that it may have eyes on Wolverine. The latter occupies call for 120,000,000 requirements. for economy in every direction that may afford a way. The fill being made a strong position in the southwest country which the big company is show copper at a minimum.

500-MILE AUTO RACE Mine Car will Visit the District

WILL ARRIVE HERE ON WEDNESDAY FOR STAY OF A WEEK - MUCH INTEREST EVIDENCED

The event of the present week will be the arrival on Wednesday of the the present month and which has been met with a great deal of interest and subsequent favor in every district

Announcement during the week that the car would arrive here on Wednesday next occasioned widespread local interest among miners. they have accomplished and not a few now in the district have visited the cars in Colorado, Michigan and eastern districts, where they have been regular visitors to the mining districts the last few years, but the majority of miners in Arizona are unfamiliar with the cars and their work through personal contact.

It is generally recognized that the staffs on these cars and the equiparee of efficiency that science has things to their store of knowledge. gathered all over the world and assombled in each mining district vis-

Wednesday next until the following Wednesday, the car will be open each

If there is any question as to the falling off in business among the copper consumers, the fact that for four

the copper metal market hinges upon

ent reaction Europe has taken much low-priced metal to replenish stocks which were down to only nominal fig-

Consumers in this country must

lieve that the low prices for copper for the year 1914 are now being made.